

**:1.** . . . . .  
: . – : “ ”, 2002. – 284 . **2.** –  
. . . . . : . 2-  
., . – .: – “ ”, , 2002. – 203 . **3.** . . . . . :  
. – 3- ., . . – .: , 2002. – 296 . **4.** . . . . . –  
. / , 1996.

20.09.06

541. 128.35

• • , • • ;  
• • ; • • , • • ;  
• • , • • , “ ”

—

—  
—  
,  
—

(II)

In work with the help of the thermogravimetric analysis and kinetic investigations had determined of the main physical and chemical indices of the process of restoration of combination of the silver and palladium (II) by preparation modification palladium of catalysts SNP of the production formaldehyde had proposed the explanation about that period of the run is higher than clearly silver industrial catalysts.

—

$$(\quad, \quad).$$

—

40

% ( ) [1].

•  
—  
—

), 16 % (

,

，  
，

$74 \div 78 \%$ .

·  
-

，  
，

$[2, 3]$ ，

-  
·

$( \quad )$

—，

，  
·，

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

$( \quad )$ ，

，  
，

，  
( — )  
).

，

，  
，  
[3, 4].

，  
，

[5].

， — ·

(II)  $( \quad )$ ，

·

·

[4]，

$$2 \div 4$$

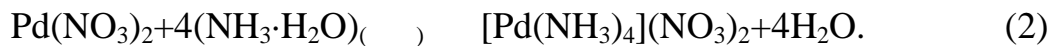
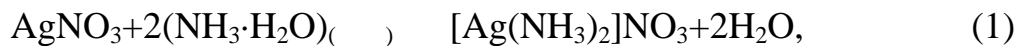
$$(\omega(\text{HNO}_3) = 60 \%)$$

$$333$$

$\text{NO}_3^-$ .



:



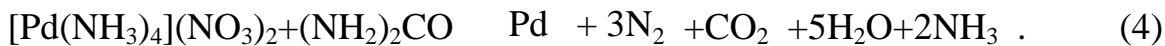
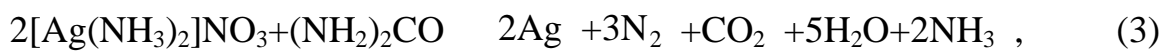
40 %

$$39,5 \div 39,9 \%,$$

$$0,1 \div 0,5 \%.$$

(II).

[6].



(II)

$$- 103,$$

( . 1)

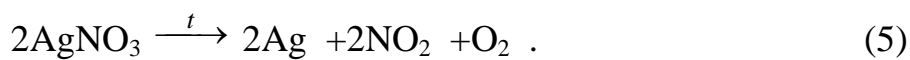
$$473,$$

$$653$$

$$685,$$

(II)

$$- 553 \quad 763,$$



[7] 1056 . -

, -

“ ”, ,

685 , 0,4 ÷

0,6 . , , -

, -

[1]. , -

(3, 4), (5),

.

-

[6], , -

-

.

. , -

-

(II) ,

:

$$\frac{dr}{dt} = K(1-r)^n, \tag{1}$$

$-\alpha -$  , . . ;

$-$  , ;

$-$  , -1. ;

$n -$  .

(1) , -

,

:

$$1-r = \frac{\Delta H_i}{\Delta H}, \tag{3}$$

$\frac{dH}{dt} -$  , / ;

$\Delta H -$  , ;

$\Delta H_i -$  , .

,
 :

$$\frac{dH_i}{dt} \cdot \frac{1}{\Delta H} = {}_0 e^{\frac{-E}{RT}} \left( \frac{\Delta H_i}{\Delta H} \right)^n, \quad (4)$$

$-K_0-$ 
,  $^{-1}$ ;  
 $-$ 
,  $/$  ;  
 $R-$ 
,  $/$  . ;  
 $-$ 
, .

,  
 1, 2, 3, 4, 5, 6, 7, 8,
 -

$$\frac{dH_i}{dt}$$

.  
 $t_i$ .
 . 1 2.

1  
 Ag Pd (II)

-	$\omega$ (Ag + Pd) = 39,5 + 0,5 % ( . )							
	1	2	3	4	5	6	7	8
,	50	55	59	68	82	84	87	94
,	478	483	653	573	553	553	763	633
$\Delta H_i$ ,	119	137	189	189	115	113	293	184
	4	4	7	7	9	4	6	2
$\frac{dH_i}{dt}$ ,	7,2	28	55,2	55,2	7,6	29	48	53
$/$								
$\Delta H$ ,	5232				5081			
n	1,04				0,94			
$0,^{-1}$	0,912				0,908			

2  
 Ag Pd (II)

2		
	, $/$	, %

$\omega(\text{Ag}) = 40 \%$	47,5	78,5
$\omega(\text{Ag}) = 39,5 \% + \omega(\text{Pd}) = 0,5 \%$	71,3	76,1
$\omega(\text{Ag}) = 39,8 \% + \omega(\text{Pd}) = 0,2 \%$	59,8	77,6
$\omega(\text{Ag}) = 39,9 \% + \omega(\text{Pd}) = 0,1 \%$	49,2	78,4

7<sup>3</sup> .

– 80

/<sup>2</sup>. ; – 20 %;

$\text{O}_2:\text{CH}_3\text{OH} - 0,38;$  – 923 .

( . 2)

,

,

,

,

0,1 %.

,

0,1 %

,

50-

1,5 ,

.

: 1. . . .

. // , 2000. – . 1856 – 1860. 2. . . .

∴ , 1984. ÷ 280 . 3. . . , . . , . . .

. // . //

– . – : " " , – 2004. – 1. – . 89 ÷ 93. 4. . . ,

190 . 5. . . .

. – ∴ , 1966. – 351 . 6. . .

... , 1971. – 104 . 7. ... -  
 ... -  
 ... : “ ”, 2004. – 20 .

18.09.06

634.7:577.164.2;547.631.4

• • , • • , ,  
 • • , , ,  
 • • , , ,

**L-**

L-

The article deals with the natural changes in the process of wild berries chopping, direct ferment oxidizing of L-ascorbic acid and phenol combinations. It is shown that blanching of berries before chopping only partially stops the ferment oxidizing process. This proved the necessity of finding new methods of wild raw material processing in order to inactivate ferments.

... , -  
 , 10...12 %. -  
 , -  
 [1, 3]. -  
 , -  
 , -  
 , -  
 [2].

( -